LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT DOTD 03-22-4194 Metric Rev. 4/98

LABORATORY MOISTURE - DENSITY RELATIONSHIP DOTD TR 418 - Methods A & B (Metric)

PROJECT NO:	DATE:				_ L/	AB NO	D:		
TYPE ADDITIVE:	TYPE SOIL:			SAMPLE NO:					
ESTED BY:									
*MAX. DRY DENSITY OF SOIL (TRA	418-A,	TR 415-A), kg/m ³			Α				
*REQUIRED % BY VOL. OF ADDITIVE (TR 432-A, TR 432-B, TR 416, specified)					В				
*% MASS OF ADDITIVE (chart, formula)					С				
DRY MASS OF SOIL (representative portion), g					D				
*MASS OF ADDITIVE TO BE ADDED, g					E	(C x	D) + 100		
*TOTAL DRY MASS OF SOIL AND ADDITIVE, g							D+E		
FOR USE WITH DOTD TR 418, METHOD B	ONLY.	· · · · · · · · · · · · · · · · · · ·		•					
CURVE POINT NO.	***		1	2		3	4	5	6
OISTURE CUP NO.	***	Mary Company							
VATER ADDED, mL	G	See Calculations							
MASS MOLD, BASE (if appl.) & WET SOIL, g	Н								
ASS MOLD & BASE (if applicable), g	.1								
MASS WET COMPACTED SOIL, g	J	H - I							
MASS OF CUP & WET SOIL, g	K								
AASS OF CUP & DRY SOIL, g	L								
MASS OF WATER, g	ww	K-L							
AASS OF CUP & DRY SOIL, g	L								
MASS OF CUP, g	М								
MASS OF DRY SOIL, g	DW	L-M							
VET DENSITY, kg/m ³	WWD	<u>J</u> 0.944							
OISTURE CONTENT, %	мс	(WW/DW) x 100							
DRY DENSITY, kg/m ³	DWD	WWD × 100					D.		